

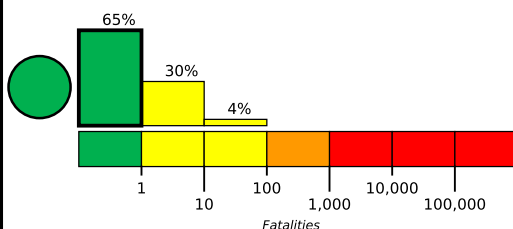
M 5.7, 8km WSW of San Agustin, Philippines

Origin Time: 2019-05-04 01:05:09 UTC (Sat 09:05:09 local)

Location: 12.3980° N 120.9106° E Depth: 10.0 km

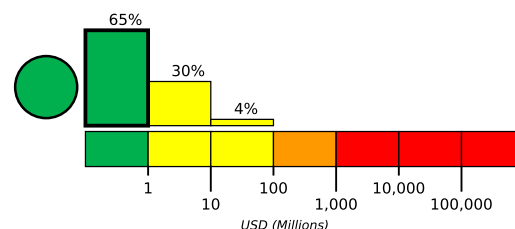
Created: 1 day, 0 hours after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

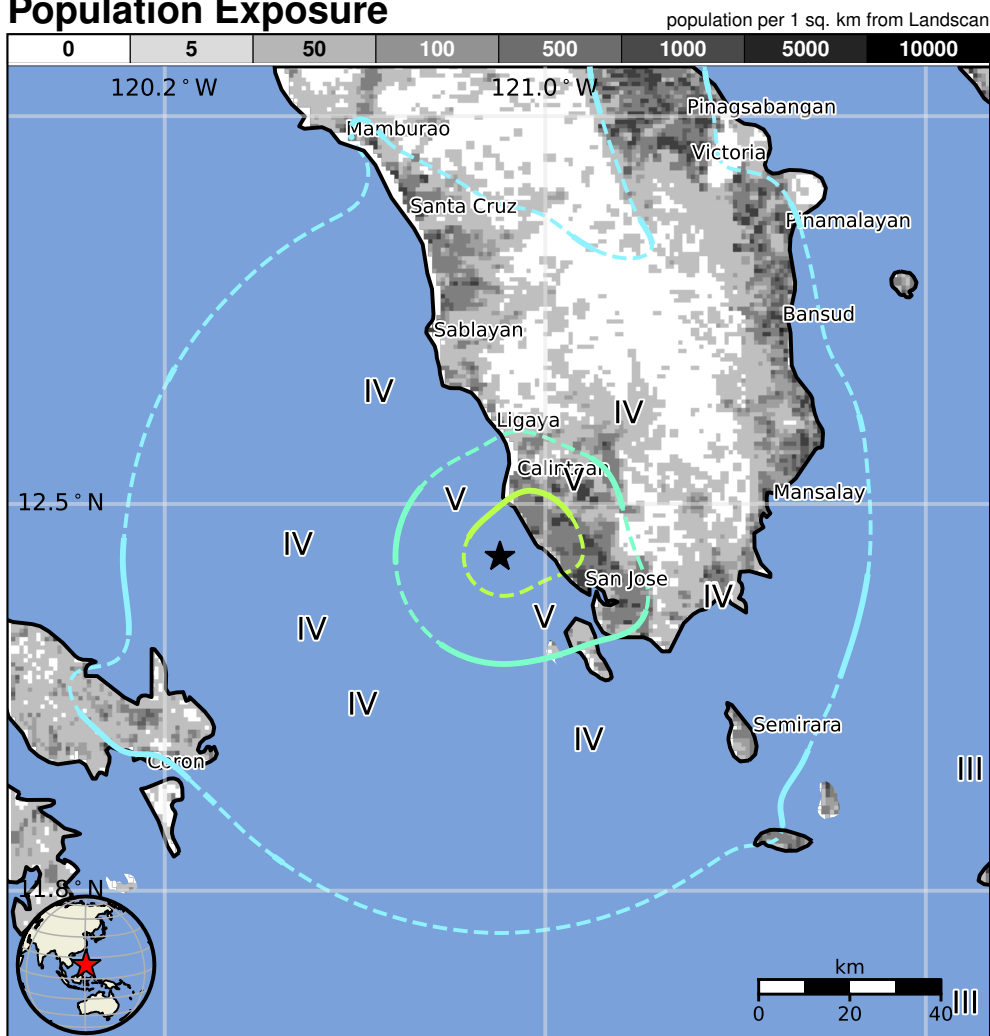


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	108k*	1,057k	156k	119k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-11	393	7.2	VIII(17k)	1
1973-03-17	232	7.5	VIII(6k)	15
1990-07-16	370	7.7	IX(893k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Rizal	<1k
VI	San Pedro	3k
VI	Adela	4k
VI	Babug	5k
VI	San Agustin	5k
VI	La Curva	3k
VI	San Jose	119k
IV	Sablayan	38k
IV	Mansalay	23k
IV	Pinamalayan	44k
IV	Mamburao	24k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70003gig#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70003gig